BIO COMPOSANTS MÉDICAUX

biolight PLUS™

MADE in FRANCE

THIRD GENERATION POST!

FASCICULATED FIBER MICRO-POST COMPOSITE WITH ADAPTED IMPREGNATOR KIT

Biolight Plus™ is designed to reinforce post and core buildups.

The fasciculated fibro-architectured micro-posts Biolight Plus™ offer a uniform and continuous reinforcement for coronal root canal reconstitutions (CRCR) inserted in the plastic phase, thus allowing a higher retention and resistance against long-term disintegration.
The adhesive composite coating of each micro-post is realized according to an innovative and precise impregnation protocol using the impregnation case included.

A template on the X-ray sensor to determine the size of the Biolight Plus™ to select for the final restoration.

Ultra-fine micro-posts with a 0.3 mm diameter, supported by colored housings.

Red	4 strands (Ø 0,8 mm)
Blue	6 strands (Ø 1,0 mm)
Black	9 strands (Ø 1,2 mm)
Yellow	12 strands (Ø1,4 mm)

THE IMPREGNATOR "ONE STEP, NO TOUCH, 20 SECONDS!"

A customized translucent casing allows a fast impregnation of the micro-posts, with no contact.

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ADVANTAGES

➤ **Ready to use**, no preparation. + The fibro-architectured micro-posts Biolight Plus™ are made using a pultrusion technology excluding any additive. Their surfaces are clean and ready to be inserted in the dental root canal.

➤ **The secure coating** on each micro-post substantially reduces the risk of voids spaces and bubbles formation in the adhesive composite thanks to the "one step, no touch, 20 seconds!" impregnator.

➤ **Minimally invasive:** Traditional drilling is not required. Cleaning is limited to the removal of the endodontics filling material to the working length: the result is a perfect adaptation to all root canal morphologies while preventing weakening of the rool canal walls.

➤ **Uniform and continuous reinforcement** of the ancho-ring and the coronal composite using only one dual-cure adhesive composite (any compatible adhesive system can be used).

➤ **Biocompatible:** metal-free, wetting agent-free, Bis-GMA-free and epoxy resin-free.

MECHANICAL TESTING

The impregnation is optimized, the fiber bundle allows a more even distribution in the root canal and the coronal adhesive composite produces:

➤ An extraction resistance 45% higher compared to traditional posts.

➤ A 30° flexural strength 15% higher compared to classical reconstitutions.

➤ The blockage of microcracks causing the long-term disintegration of the reconstitutions.

➤ A displacement at failure 80% higher compared to traditionnal posts under 30° bending.

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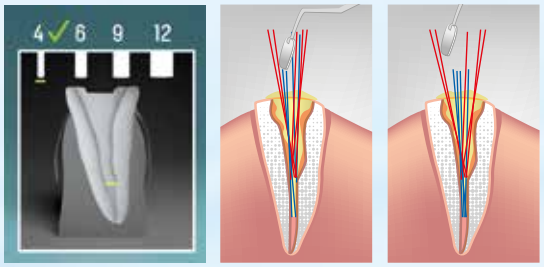
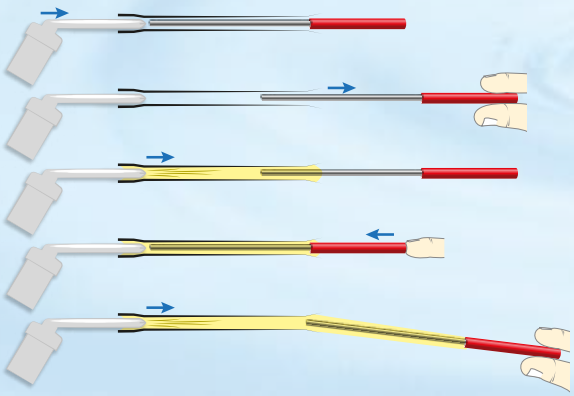
1. The tooth is isolated from any buccal fluid using any appropriate device. The remaining tissues are conditioned.

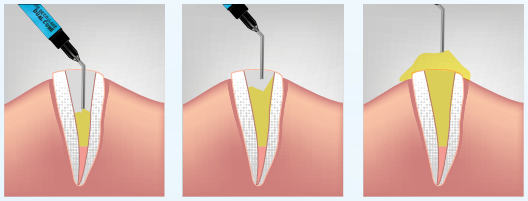
2. The radiographic template is fixed on the X-ray sensor.
Once the radiography is taken, the tooth and the template are present on the picture at a scale 1. Firstly, the root canal entry is measured to determine the size of the Biolight Plus to use. A second measurement is then applied on the apical plug to determine the number of strands to push apically on contact with the gutta.



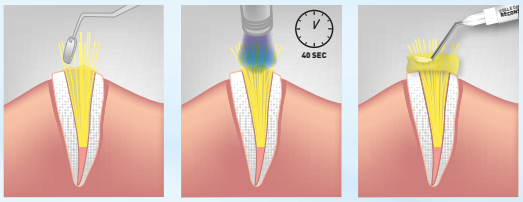
3. Secure impregnation, without contact, of the micro-posts bundled in their prehension housing using the impregnator "One step, no touch, 20 seconds!".



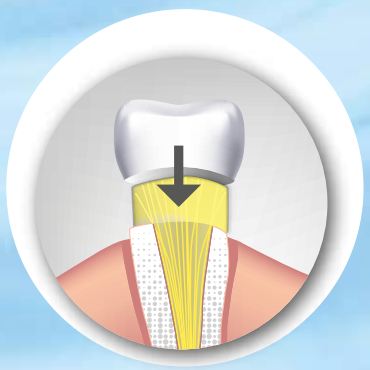
4. Massive excess retrofilling of the root canal using a dual-cure fluid adhesive composite and an endodontics micro-tip.



5. Insertion and distribution of the micro-posts in the space available: the impregnated micro-posts are inserted into the canal, the colored housing is maintained using pressure, cut using a simple pair of scissors and then eliminated. Do not polymerize at this stage. The released micro-posts can be reorganized individually in the canal using an appropriate instrument. In vertical translation and laterally by focusing on the root canal periphery.



6. Finishing work: the device is briefly fixed using a curing light and the coronal part is completed, if required. The finalized set is further light cured.



WATCH THE VIDEO

Please carefully read the instructions in the notice or on the labelling prior to use. Class: IIA (CE marking delivered by SGS) CE1639

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